

10334500 RYE PATCH RESERVOIR NEAR RYE PATCH, NV

HUMBOLDT RIVER BASIN, LOWER HUMBOLDT RIVER BASIN

LOCATION.--Lat 40°28'12", long 118°18'24" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.18, T.30 N., R.33 E., Pershing County, Hydrologic Unit 16040108, in SE¼ NE¼ sec.18, T.30 N., R.33 E., at control works on east side of Rye Patch Dam on Humboldt River, and 2 mi northwest of Rye Patch.

DRAINAGE AREA.--16,100 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--Feb 1936 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Staff gage on dam read daily when water level is high enough. When level is low, surface elevation obtained by levels.

COOPERATION.--Records of daily elevation and storage furnished by Pershing County Water Conservation District.

REMARKS.--Reservoir is formed by earthfill, rock-faced dam; storage began Feb 20, 1936. Capacity, 194,300 acre-ft between elevations, 4,072.5 ft, sill of trashrack structure, and 4,136.0 ft, top of spillway gates (since Jun 1976). Dead storage negligible. Elevation of spillway (gate sill) is 4,119 ft. Figures given herein represent usable contents and are based on capacity table No. 2, developed by Bureau of Reclamation, in use since Oct 1, 1971. Water is used for irrigation in the Lovelock area.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 200,400 acre-ft, Jun 9, 1998, elevation, 4,136.5 ft; no contents, Aug 7-11, 1955, May 12 to Jun 13, 1961, Jul 17, 1992, and Aug 11-13, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 190,700 acre-ft, Jul 24-28, elevation, 4,135.7 ft; minimum observed, 8,300 acre-ft, Oct 1, elevation, 4,102.66 ft.

10334500 RYE PATCH RESERVOIR NEAR RYE PATCH, NV—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 0800 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,300	10,100	12,650	---	20,200	30,180	51,320	65,570	119,500	180,700	186,000	170,800
2	---	---	---	---	---	---	---	---	123,200	178,900	184,800	169,400
3	---	---	---	15,830	---	---	---	---	128,200	178,900	184,800	169,400
4	---	---	---	---	---	---	53,710	---	132,200	178,900	183,600	166,700
5	---	---	---	---	---	---	54,730	66,750	135,400	178,900	183,600	164,000
6	---	---	---	---	---	---	55,750	67,340	139,800	177,700	183,600	164,000
7	---	---	---	---	---	---	56,260	---	144,200	177,700	183,600	162,600
8	---	---	---	---	---	---	56,770	---	148,100	178,900	182,400	161,300
9	---	---	---	---	---	---	57,790	69,110	152,000	178,900	182,400	159,900
10	---	---	---	---	---	---	58,300	70,960	157,200	178,900	182,400	158,600
11	---	---	---	---	---	---	58,850	71,590	161,300	180,700	182,400	158,600
12	---	---	---	---	---	---	---	72,850	165,300	181,200	182,400	157,200
13	---	---	---	---	---	---	59,950	---	170,800	182,400	181,200	157,200
14	---	---	---	---	---	37,650	60,500	75,370	173,100	183,600	181,200	155,900
15	---	---	---	---	---	37,650	61,100	76,670	175,400	184,800	181,200	154,600
16	---	---	---	---	---	38,470	61,600	77,340	177,800	186,000	180,100	153,300
17	---	---	---	---	---	39,700	62,200	79,350	177,800	187,200	180,100	153,300
18	---	---	---	---	---	40,130	62,700	80,960	180,100	187,200	178,900	153,300
19	---	---	---	---	---	40,990	63,250	82,030	181,200	187,200	178,900	153,300
20	---	---	---	---	---	41,420	---	84,830	182,400	188,400	177,700	152,000
21	---	---	---	---	---	42,710	63,800	86,250	182,400	189,500	177,700	152,000
22	---	---	---	---	---	42,710	64,390	88,380	183,600	189,500	177,700	150,700
23	---	---	---	---	---	44,450	64,390	89,800	183,600	189,500	177,700	150,700
24	---	---	---	---	---	44,450	64,980	95,800	183,600	190,700	177,700	150,700
25	---	---	---	---	---	45,350	64,980	---	183,600	190,700	176,600	150,700
26	---	---	---	---	---	46,250	64,980	98,100	182,400	190,700	176,600	149,400
27	---	---	---	---	---	47,150	64,980	100,100	182,400	190,700	175,900	149,400
28	---	---	---	---	---	48,050	64,980	104,500	182,400	190,700	174,200	149,400
29	---	---	---	---	---	---	64,980	107,900	182,400	188,400	173,100	149,400
30	---	---	---	---	---	49,440	64,980	112,200	181,200	187,200	173,100	148,100
31	---	---	---	---	---	50,380	---	116,700	---	187,200	171,900	---
Max	---	---	---	---	---	---	---	---	183,600	190,700	186,000	170,800
Min	---	---	---	---	---	---	---	---	119,500	177,700	171,900	148,100